

What is claimed is:

1 A communication device, wherein data is transmitted and received via a communication section and a line,

5 comprising:

decision means for deciding whether or not to transmit and receive data based on predetermined information corresponding to the state of the line or the internal state of the device or whether or not to interrupt communications if the device is currently in a transmission/reception state; and

10 a controller for controlling said communication section according decision results from said decision means.

15 2 The communication device defined in Claim 1, further comprising:

an information holder for holding said predetermined information;

20 said decision means deciding whether or not to transmit and receive data based on current predetermined information and old predetermined information held in said holder, or whether or not to interrupt communications if the device is currently in a transmission/reception state.

3 The communication device defined in Claim 1, further comprising notification means for notifying a user of decision results according to the decision results of said decision means.

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4 The communication device defined in Claim 1, wherein when said decision means decides disconnection of communications, said controller controls said communication means to disconnect the line after the logging-out in accordance with a predetermined communication procedure.

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5 The communication device defined in Claims 1, wherein said predetermined information contains information representing a reception level.

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6 The communication device defined in Claim 1, wherein said predetermined information contains information representing an error rate.

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7 The communication device defined in Claims 1, wherein said predetermined information contains information representing a response timing from a connected destination.

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8 The communication device defined in Claims 1, wherein
said predetermined information contains information
representing an output voltage level of a power source
within the device.

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9 The communication device defined in Claim 8, wherein
said power source within the device comprises a secondary
battery.

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10 The communication device defined in Claim 9, further
comprising prediction means for predicting a
transmittable/receivable data amount based on a charging
amount or output voltage level of said secondary battery;
said predetermined information containing prediction
results acquired by said prediction means.

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11 The communication device defined in Claim 10,
further comprising second prediction means for predicting
a data amount to be transmitted or received in current
communications; said predetermined information containing
prediction results acquired by said second prediction
means.

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12 A communication method suitable for a communication
device which transmits and receives data via a

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communication section and a line, said method comprising the steps of:

deciding whether or not to transmit and receive data based on predetermined information corresponding to the state of the line or the internal state of the system or whether or not to interrupt communications if the device is currently in a transmission/reception state; and

controlling said communication section to disconnect the line after the logging-out in a predetermined communication procedure, in accordance with decision results in said decision step.

13 The communication method defined in Claim 12, further comprising the steps of:

holding said predetermined information;
deciding whether or not to transmit and receive data
based on current predetermined information and old
predetermined information held in said holder, or whether
or not to interrupt communications if the device is
currently in a transmission/reception state.

14 The communication method defined in Claim 12,
further comprising the step of notifying a user of
decision results according to the decision results of said
step of deciding.

15 The communication method defined in Claim 12,
wherein said step of controlling further comprising the
step of controlling said communication means to disconnect
5 the line after the logging-out in accordance with a
predetermined communication procedure when the decision
result of said step of deciding is disconnection of
communications.

10 16 The communication method defined in Claims 12,
wherein said predetermined information contains
information representing a reception level.

15 17 The communication method defined in Claim 12,
wherein said predetermined information contains
information representing an error rate.

20 18 The communication method defined in Claims 12,
wherein said predetermined information contains
information representing a response timing from a
connected destination.

25 19 The communication method defined in Claims 12,
wherein said predetermined information contains
information representing an output voltage level of a

power source within the device.

20 The communication method defined in Claim 19,
wherein said power source within the device comprises a
5 secondary battery.

21 The communication method defined in Claim 20,
further comprising the step of predicting a
transmittable/receivable data amount based on a charging
10 amount or output voltage level of said secondary battery;
said predetermined information containing prediction
results acquired by said the step of predicting.

22 The communication method defined in Claim 21,
15 further comprising the step of secondary predicting a data
amount to be transmitted or received in current
communications; said predetermined information containing
prediction results acquired by said step of secondary
predicting.